

NOAA-EPA Air Quality Forecasting Guidance

State and Local AQF Statement of Needs

**US EPA 2004 National
Air Quality Conference**

Feb. 25, 2004

Purpose of State and Local AQF Statement of Needs

- *Synthesize NOAA-EPA vision for National Air Quality Forecast Capability to support State and local air quality forecast programs*
- *Communicate current short- and long-term plans for National Air Quality Forecast Capability*

Process for Developing Statement of Needs

- Initial draft developed in consultation between NOAA, EPA, and individual air quality forecasters
- First draft discussed with AQ forecasters workgroup at EPA AIRNOW Strategic Planning Workshop in December
- Second draft reviewed by AIRNOW Steering Committee

Summary Statement of Needs

NOAA National Air Quality Forecast Capability	Short-Term Needs: September 2004	Long-Term Needs: Target
Pollutant Basis	Ground-level ozone	PM, additional pollutants
Geographical Coverage	Northeast US	Nationwide
Forecast Period	Next day	2 days and beyond
Availability	Next day forecast issued by 1:30pm EDT. Morning update issued by 9am EDT	Maintain reliable delivery as guidance expands to nationwide
Temporal Resolution	1-hr and 8-hr averages; also daily maxima of 1-hr and 8-hr averages	Add appropriate averages for PM and additional pollutants.
Spatial Resolution	Predicted pollutant concentration fields at 12km grid resolution.	2.5 km grid resolution